

FIG. 1A

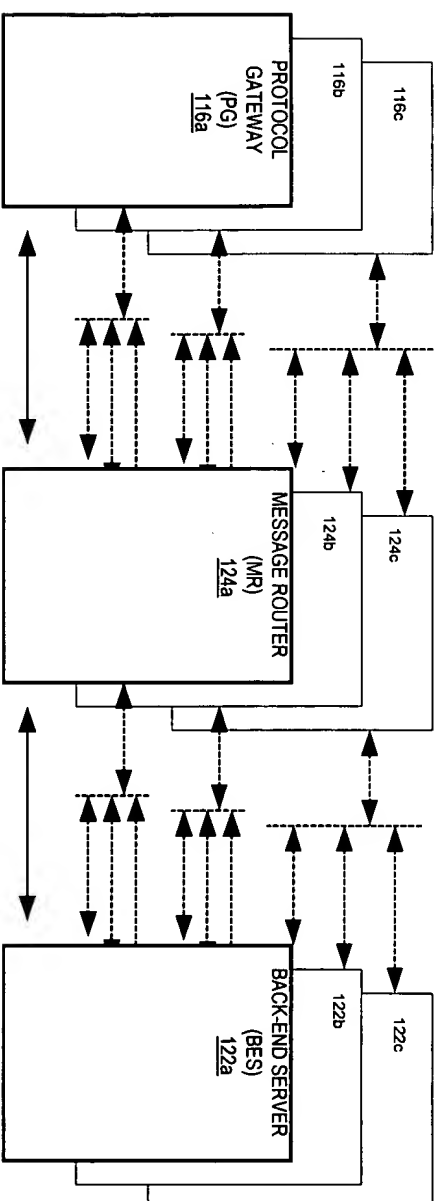


FIG. 1B

UNIQUE MESSAGE KEY
INCLUDES:
SERVER ID,
SERVICE TYPE, AND
MESSAGE TYPE

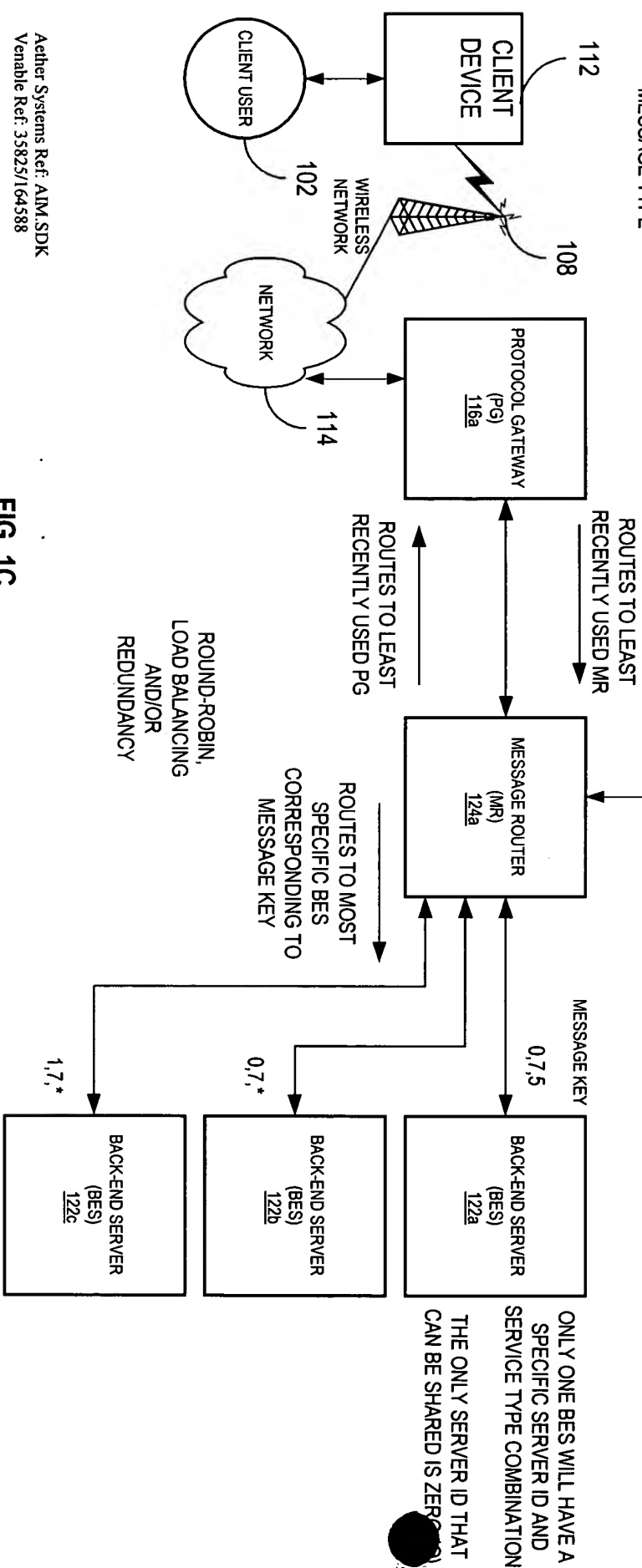


FIG. 1D is a block diagram of a system architecture for a networked environment.

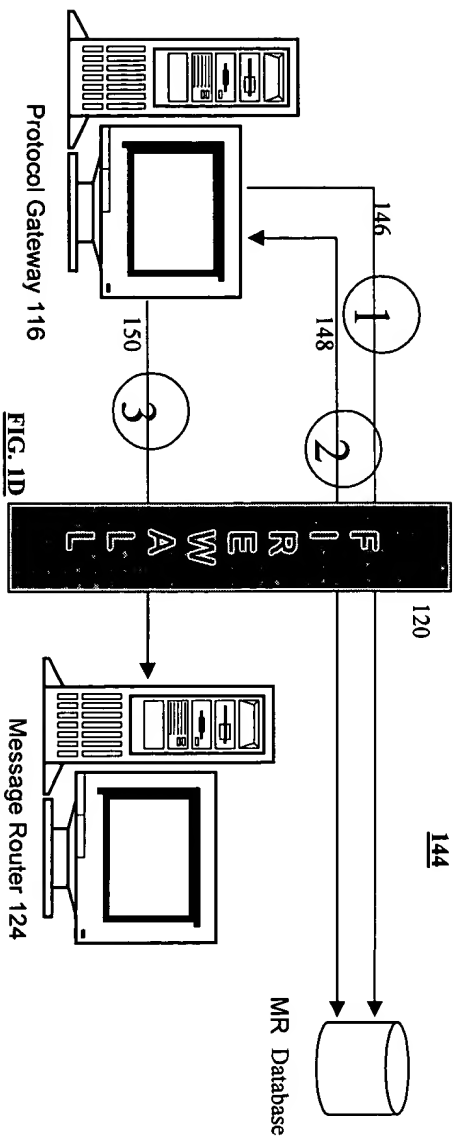


FIG. 1E is a block diagram of a system architecture for a message router. The system includes an MR Database 128, a Message Router 124, a Back End Server 122, a Firewall 120, and a Protocol Gateway 116. The MR Database 128 is connected to the Message Router 124 via a bidirectional connection 154. The Message Router 124 is connected to the Back End Server 122 via a bidirectional connection 160. The Message Router 124 is connected to the Firewall 120 via a bidirectional connection 158. The Firewall 120 is connected to the Protocol Gateway 116 via a bidirectional connection 156. The Message Router 124 is also connected to the Back End Server 122 via a bidirectional connection 160. The Message Router 124 is connected to the Back End Server 122 via a bidirectional connection 160. The Message Router 124 is connected to the Back End Server 122 via a bidirectional connection 160.

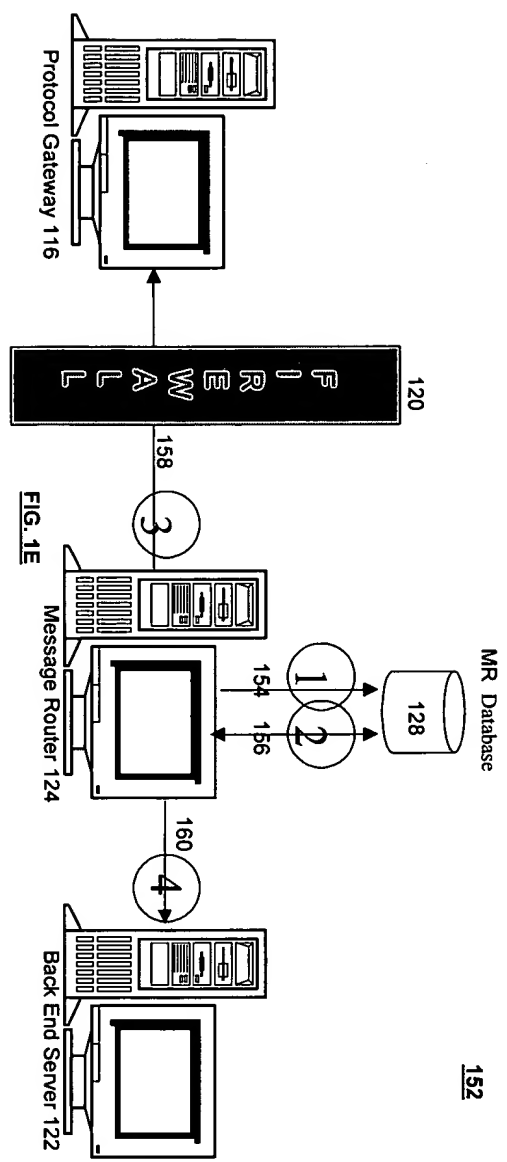


FIG. 1E

FIG. 1F is a block diagram of a system architecture showing the interaction between a Message Router 124 and a Back End Server 122.

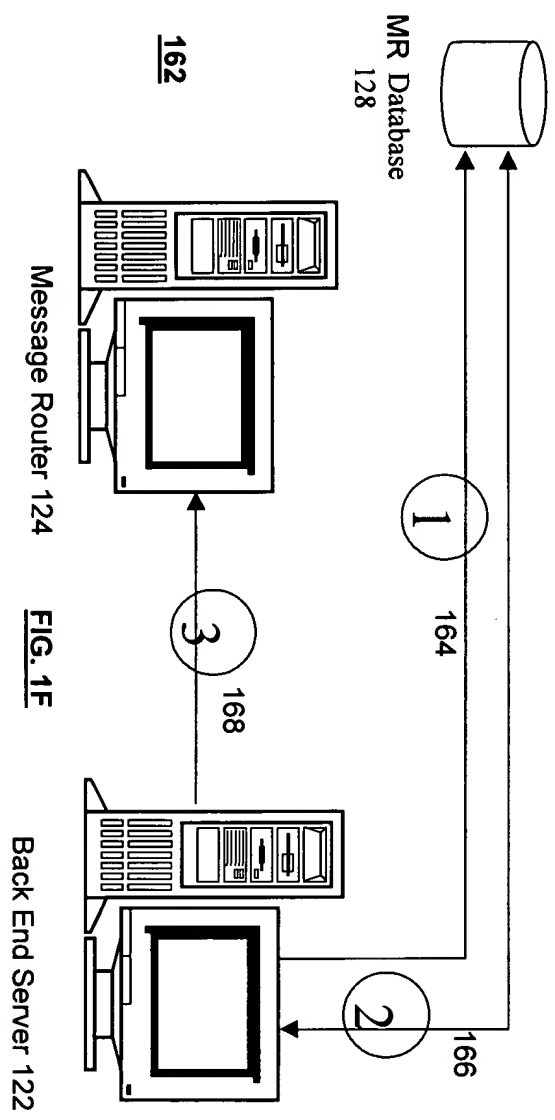


FIG. 1F

FIG. 2 is a block diagram of a system architecture for a client device 112, a network 212, a back-end server 132a, a network 202, and a destination web server 210.

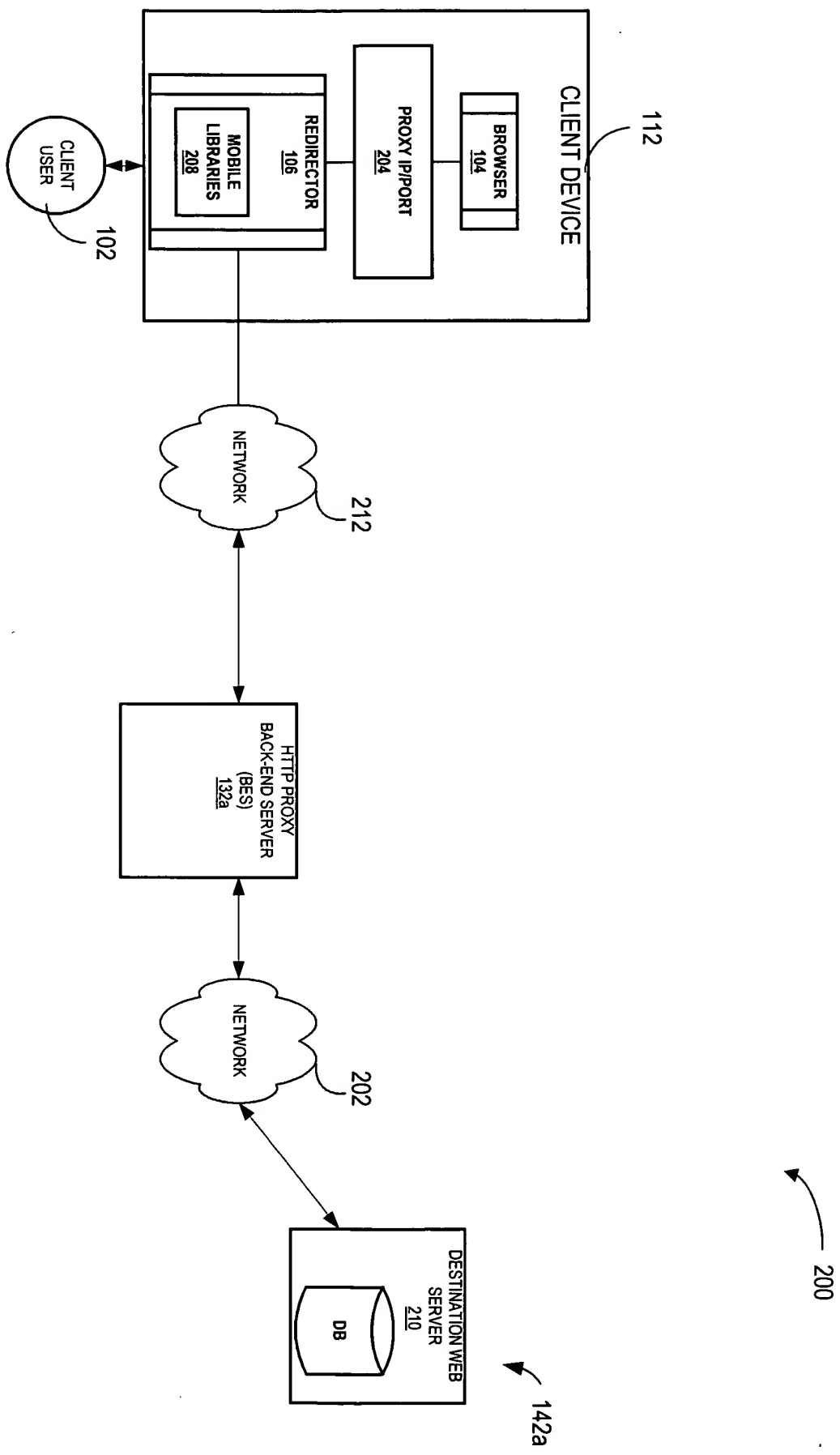


FIG. 2

OSI

FIG. 3 is a block diagram of a network architecture 300, in accordance with an embodiment of the present invention. The network architecture 300 includes a network layer 306, an applications layer 302, and a simple network transport layer (SNTL) 304.

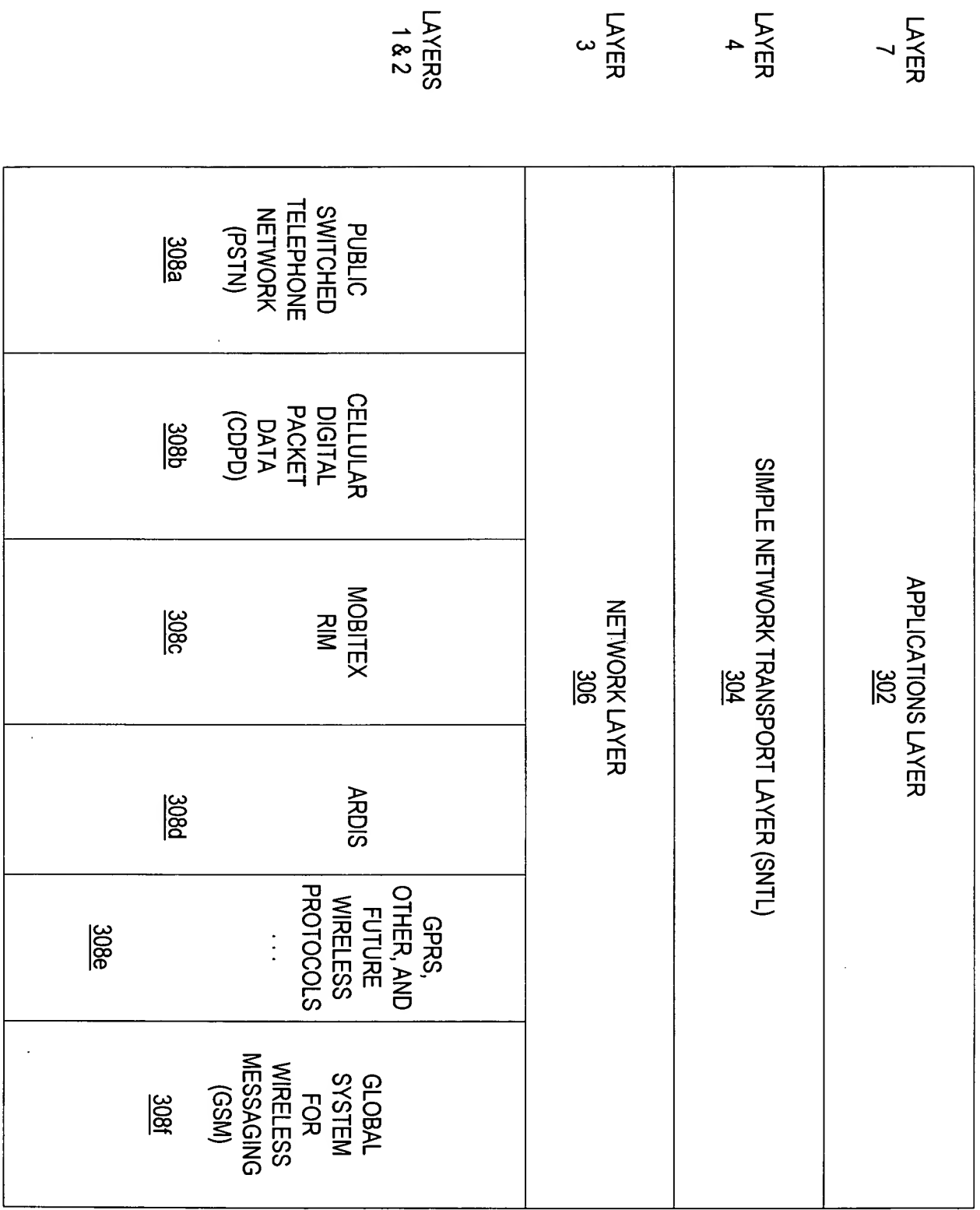
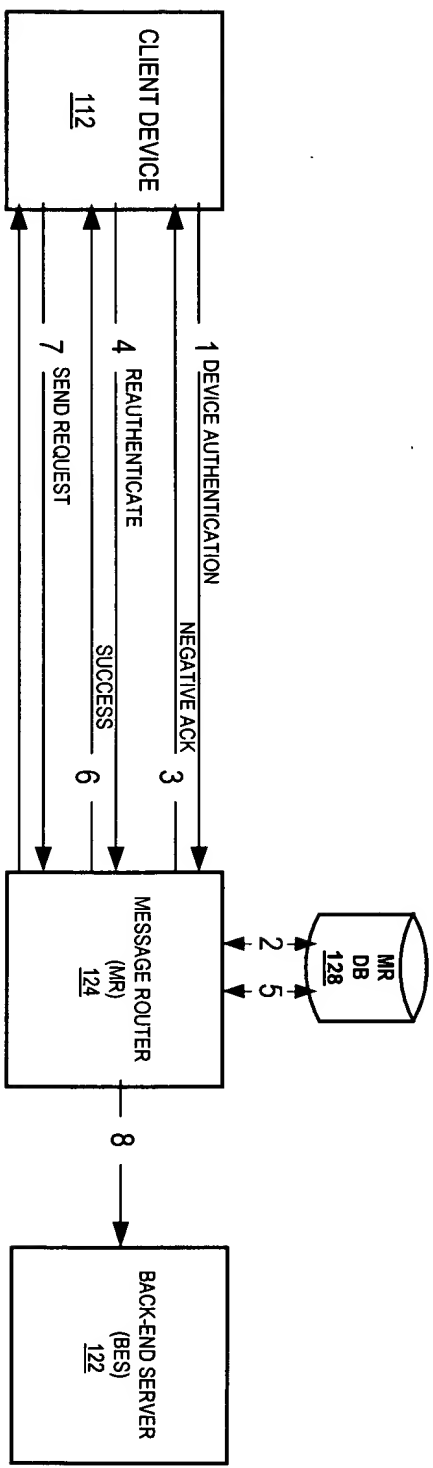


FIG. 3

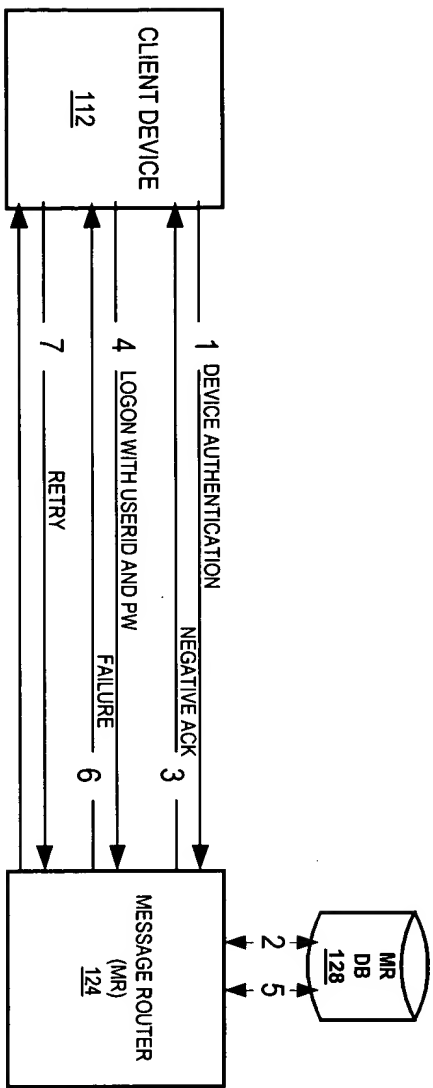
FIG. 4 is a sequence diagram illustrating a device authentication process.



400

FIG. 4

FIG. 5 is a sequence diagram illustrating a device authentication process.



500

FIG. 5

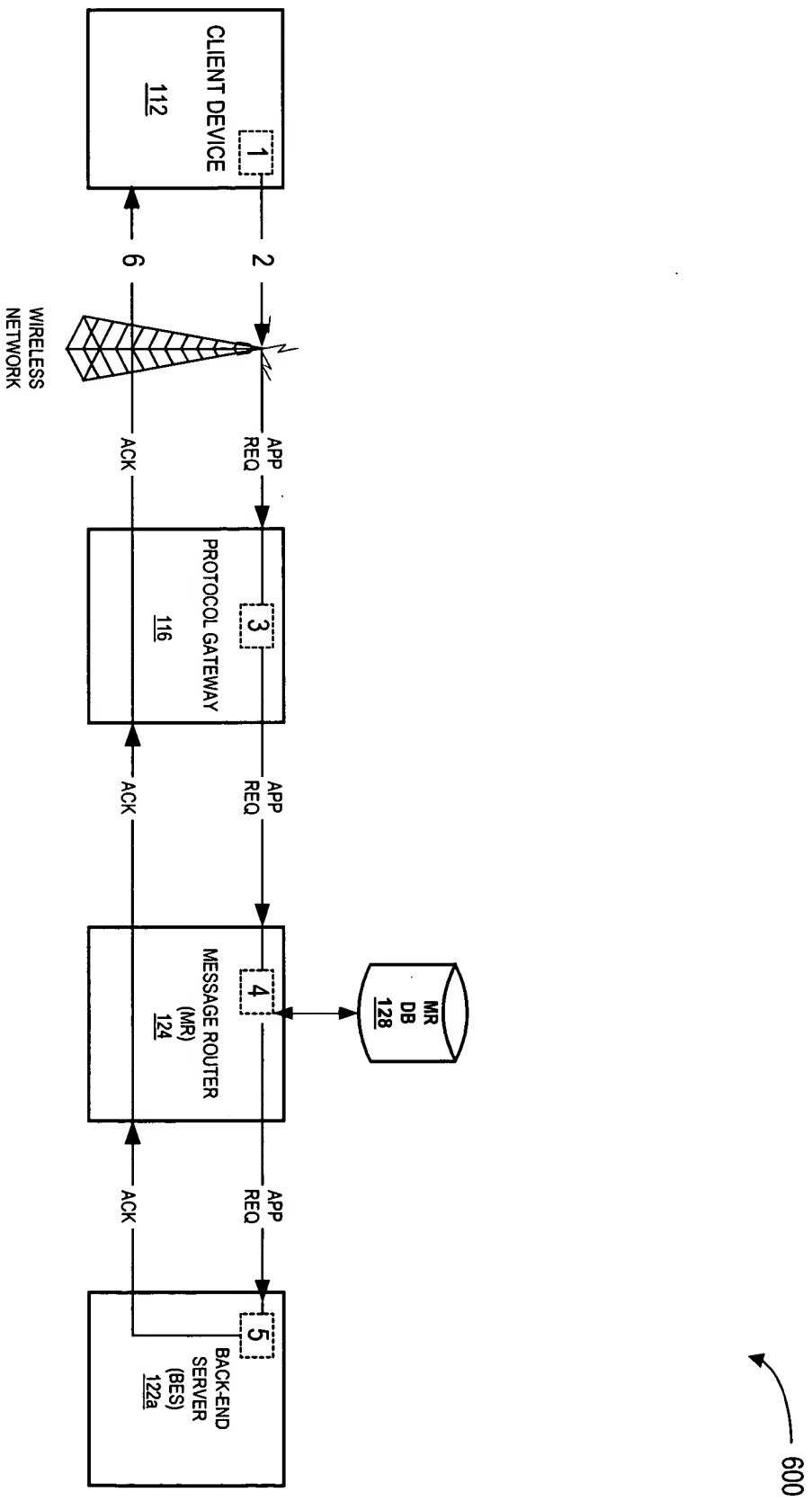


FIG. 6A

602

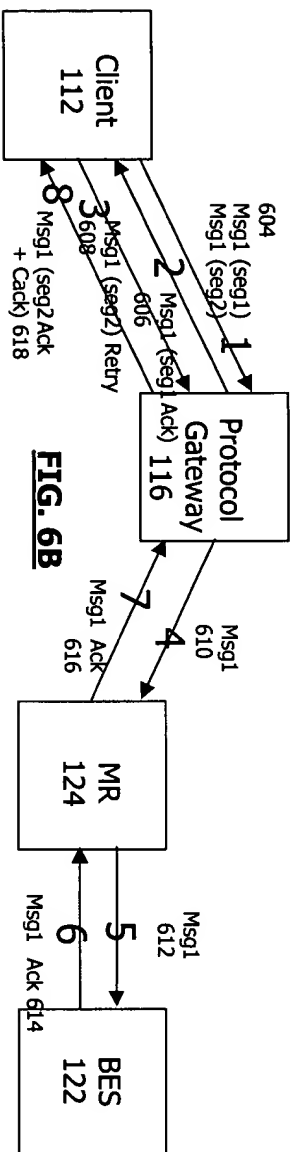


FIG. 6B

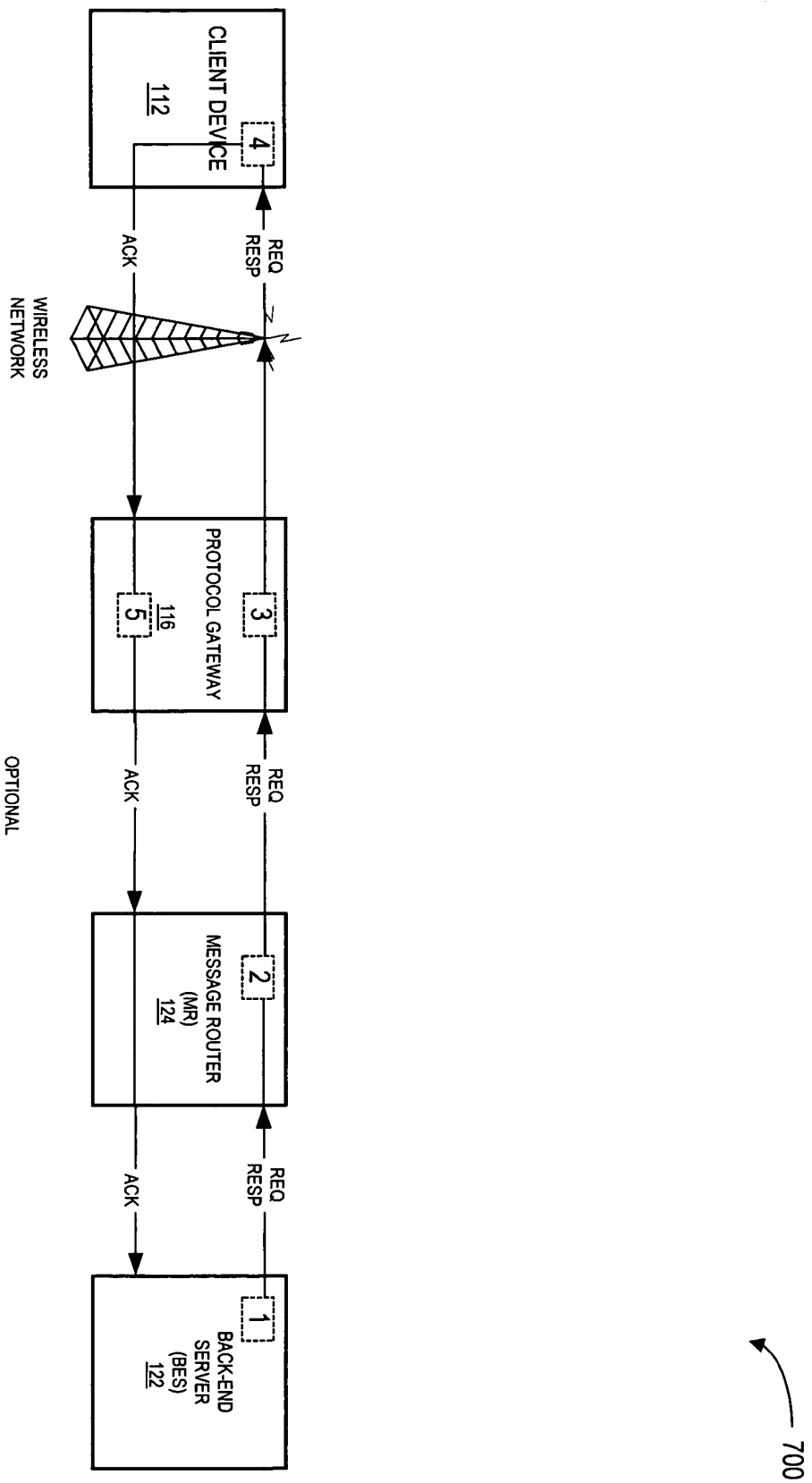


FIG. 7A

702

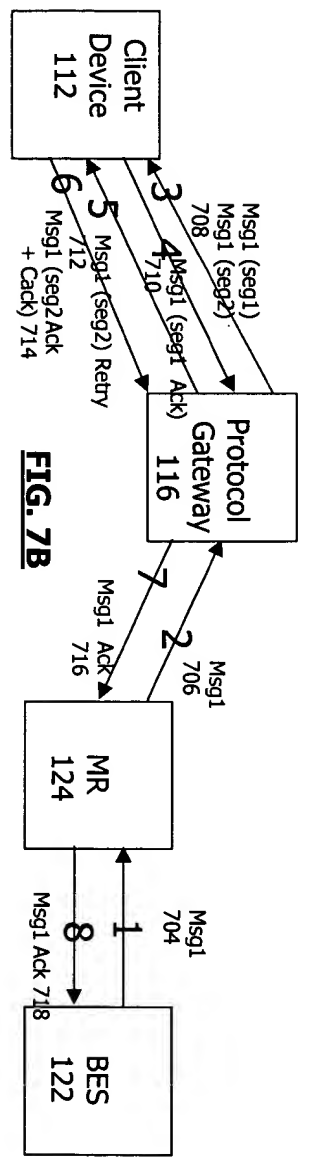


FIG. 7B

FIG. 8A is a block diagram of a system 800 for alerting a client device 112 via a wireless network 116.

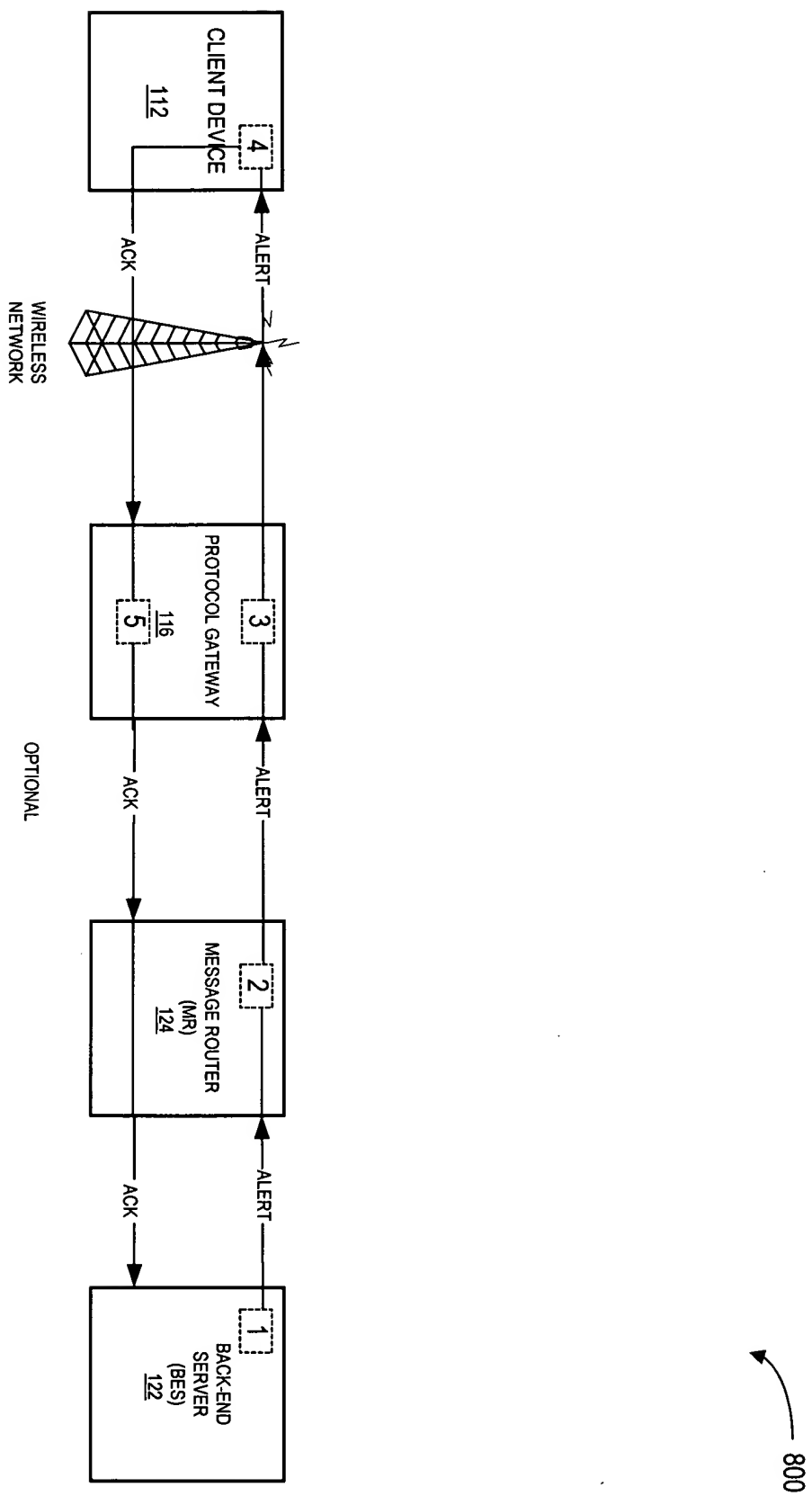


FIG. 8A

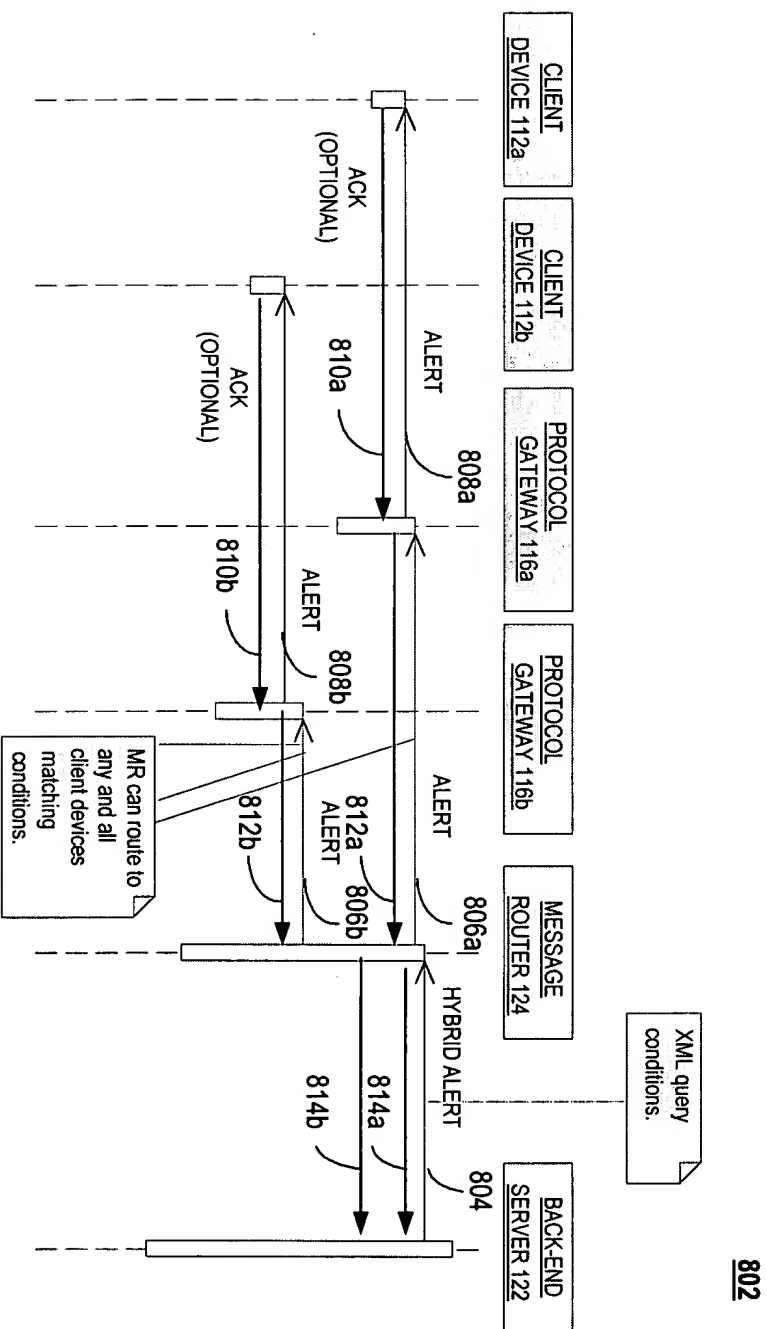


FIG. 8B

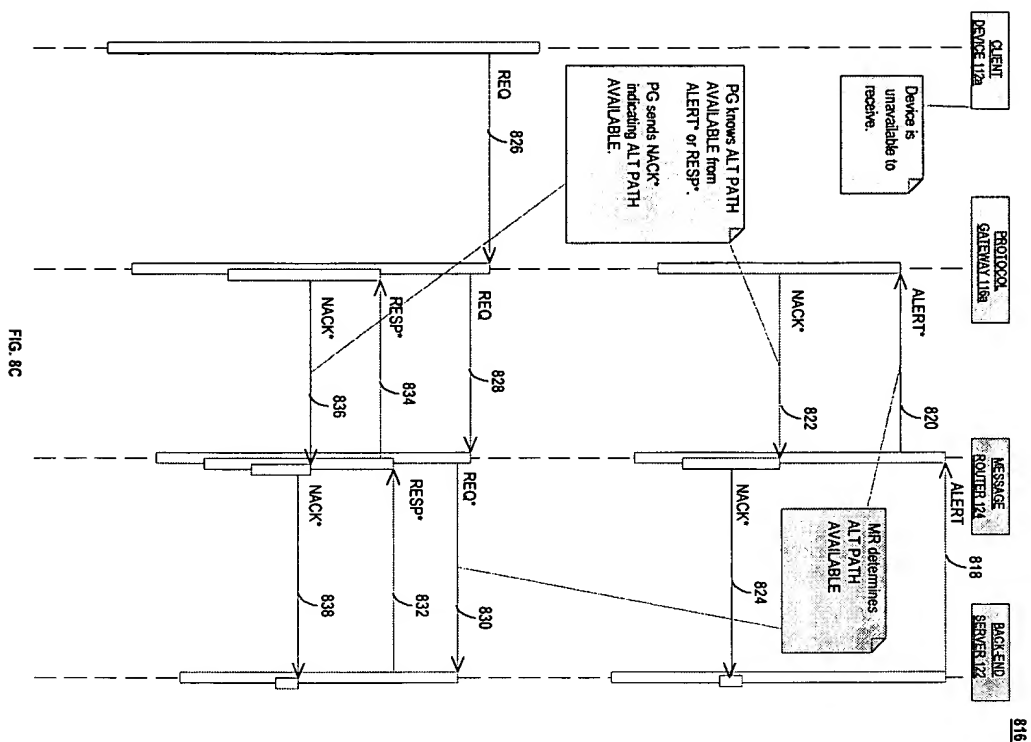


FIG. 9 is a block diagram of an exemplary segment header 900. The segment header 900 includes a VER field 902, a MESSAGE ID field 904, a FLAGS field 906, and a TOTAL LENGTH field 908. The VER field 902 is 2 bits long, the MESSAGE ID field 904 is 8 bits long, the FLAGS field 906 is 15 bits long, and the TOTAL LENGTH field 908 is 20 bits long. The segment header 900 is followed by a SEGMENT # field 910.

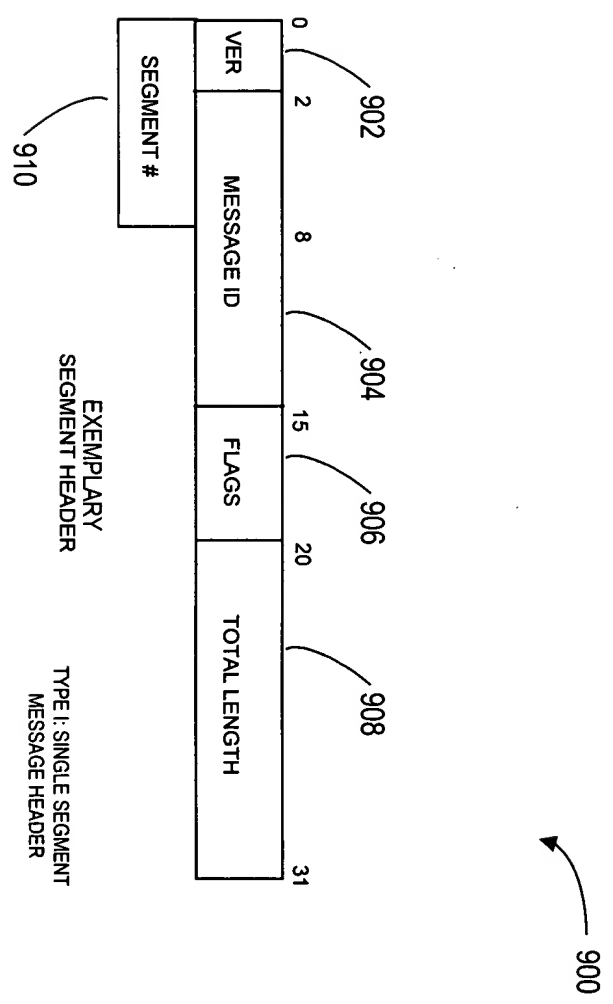


FIG. 9